



PCT09

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RAW SEQUENCE LISTING

DATE: 02/14/2003

PATENT APPLICATION: US/09/889,236B

TIME: 13:39:22

Input Set : A:\pf0659usn_subseqlist.txt

Output Set: N:\CRF4\02142003\I889236B.raw

1 <110> APPLICANT: HILLMAN, Jennifer L.
 2 TANG, Y. Tom
 3 LU, Dyung Aina M.
 4 AZIMZAI, Yalda
 6 <120> TITLE OF INVENTION: Proteins Associated with Circadian Rhythms
 8 <130> FILE REFERENCE: PF-0659 USN
 10 <140> CURRENT APPLICATION NUMBER: 09/889,236B
 C--> 11 <141> CURRENT FILING DATE: 2002-10-20
 13 <150> PRIOR APPLICATION NUMBER: PCT/US00/01086
 14 <151> PRIOR FILING DATE: 2000-01-14
 16 <150> PRIOR APPLICATION NUMBER: 60/183,019
 17 <151> PRIOR FILING DATE: 1999-01-15
 19 <160> NUMBER OF SEQ ID NOS: 6
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 37 35 40 45
 38 Glu Gln Gly Phe Arg Gln Ala Tyr Arg Ala Gln Ser His Ser Phe
 39 50 55 60
 40 Pro Asn Tyr Gly Leu Ser His Gly Leu Thr Ser Arg Gln Trp Trp
 41 65 70 75
 42 Leu Asp Val Val Leu Gln Thr Phe His Leu Ala Gly Val Gln Asp
 43 80 85 90
 44 Ala Gln Ala Val Ala Pro Ile Ala Glu Gln Leu Tyr Lys Asp Phe
 45 95 100 105
 46 Ser His Pro Cys Thr Trp Gln Val Leu Asp Gly Ala Glu Asp Thr
 47 110 115 120
 48 Leu Arg Glu Cys Arg Thr Arg Gly Leu Arg Leu Ala Val Ile Ser
 49 125 130 135
 50 Asn Phe Asp Arg Arg Leu Glu Gly Ile Leu Gly Gly Leu Gly Leu
 51 140 145 150
 52 Arg Glu His Phe Asp Phe Val Leu Thr Ser Glu Ala Ala Gly Trp

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54 Pro Lys Pro Asp Pro Arg Ile Phe Gln Glu Ala Leu Arg Leu Ala
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56 His Met Glu Pro Val Val Ala Ala His Val Gly Asp Asn Tyr Leu
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58 Cys Asp Tyr Gln Gly Pro Arg Ala Val Gly Met His Ser Phe Leu
59          200          205          210
60 Val Val Gly Pro Gln Ala Leu Asp Pro Val Val Arg Asp Ser Val
61          215          220          225
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82      35      40      45
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85 Tyr Gly Ala Asn Arg Ile Tyr Ala Gly Gln Met Ala Val Leu Gly
86      65      70      75
87 Arg Thr Ser Val Gly Pro Val Ile Gln Lys Met Trp Asp Gln Glu
88      80      85      90
89 Lys Asp His Leu Lys Lys Phe Asn Glu Leu Met Val Met Phe Arg
90      95     100     105
91 Val Arg Pro Thr Val Leu Met Pro Leu Trp Asn Val Leu Gly Phe
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99 Glu Leu Leu Gln Leu Ile Lys Lys Phe Arg Asp Glu Glu Leu Glu
100    170    175    180
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120 agagtctgga agtttggtt ctggtcctgg ctgtgccact gactcactgt gaccttggga 180
121 tcttgtgctg tgaagacatt tcccaagtgc ttcatgttag ccagcaaata tgaccacaa 240
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153 ctacgcttat ggaagaagaa ccagtgtcag atttcgcagt tcaggaatga ctttagacaa 180
154 tatcagtcgg gcagctgtgg atcgaataat ccgggtggat catgcaggcg aatatggagc 240
155 aaaccgcata tatgcccggc agatggctgt cctgggtcgg accagcgtcg ggccagtcac 300
156 tcagaaaatg tgggataaag aaaaggacca tttgaaaaag ttcaatgagt tgatggttat 360
157 gttcagggtc cggccaacag ttctgatgcc cttgtggaac gtgctggggt ttgcaactgg 420
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164 cagttatcgt tgtacttttg tacaatgtga attttggttaa taaattataa ggtttgtttt 840
165 ttttttttta aactctgcag tgttgatttt tctctgggtt gttttttctg ccatgagacc 900
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183 35 40 45
184 Ala Lys Asn Phe Lys Ala Asn Trp Tyr Lys Met Asn Arg Asp Tyr
185 50 55 60
186 Pro Asn Phe Gly Arg Asp Thr Asn Pro Gln Met Glu Trp Gln Gln
187 65 70 75
188 Trp Trp Arg Lys Leu Ile Ala Gly Thr Phe Ala Glu Ser Gly Ala
189 80 85 90
190 Ala Ile Pro Asp Glu Lys Leu His Asn Phe Ser Asn His Leu Ile
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192 Glu Leu Tyr Lys Thr Ser Ile Cys Trp Gln Pro Cys Asn Gly Ser
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195 125 130 135
196 Cys Lys Leu Gly Val Ile Ala Asn Phe Asp Pro Arg Leu Pro Thr
197 140 145 150
198 Leu Leu Gln Asn Thr Lys Leu Asp Gln Tyr Leu Asp Phe Ala Ile
199 155 160 165
200 Asn Ser Tyr Glu Val Gln Ala Glu Lys Pro Asp Pro Gln Ile Phe
201 170 175 180
202 Gln Lys Ala Met Glu Lys Ser Gly Leu Lys Asn Leu Lys Pro Glu
203 185 190 195
204 Glu Cys Leu His Ile Gly Asp Gly Pro Thr Thr Asp Tyr Leu Ala
205 200 205 210
206 Ala Lys Glu Leu Gly Trp His Ser Ala Leu Val His Glu Lys Ser
207 215 220 225
208 Tyr Ala Tyr Leu Val Lys Lys Tyr Gly Glu Asp Ile Asp Arg Asp
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210 His Val Phe Pro Ser Leu Tyr Asp Phe His Lys Lys Ile Ser Asp
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232                50                55                60
233 Tyr Gly Ala Asn Arg Ile Tyr Ala Gly Gln Met Ala Val Leu Gly
234                65                70                75
235 Arg Thr Ser Val Gly Pro Val Ile Gln Lys Met Trp Asp Gln Glu
236                80                85                90
237 Lys Asn His Leu Lys Lys Phe Asn Glu Leu Met Ile Ala Phe Arg
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244                140               145               150
245 Asn Gln Ile Arg Met Leu Met Glu Glu Asp Pro Glu Lys Tyr Glu
246                155               160               165
247 Glu Leu Leu Gln Val Ile Lys Gln Phe Arg Asp Glu Glu Leu Glu
248                170               175               180
249 His His Asp Thr Gly Leu Asp His Asp Ala Glu Leu Ala Pro Ala
250                185               190               195
251 Tyr Ala Leu Leu Lys Arg Ile Ile Gln Ala Gly Cys Ser Ala Ala
252                200               205               210
253 Ile Tyr Leu Ser Glu Arg Phe
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VERIFICATION SUMMARY

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